



State of Washington  
Application for a Water Right Permit

☐ SURFACE WATER ☒ GROUND WATER  
☒ Permanent ☐ Temporary ☐ Short Term

Follow the attached instructions. Attach additional sheets as necessary.

A NON-REFUNDABLE MINIMUM FEE OF \$50.00 PAYABLE TO  
THE DEPARTMENT OF ECOLOGY MUST ACCOMPANY THIS APPLICATION.

For Ecology Use  
(Date Stamp)

8 MAY 20 08 30

DEPT. OF ECOLOGY  
FISCAL & BUDGET

Section 1. APPLICANT

\$50 Rec'd HQ 5-20-08 3 \$101.11 total 5-20-08  
51-11 Rec'd HQ 6-3-08 3 priority

Applicant/Business Name: Richland Public Facilities District	Phone No: 509-943-4100	Other No: Fax: 509-943-4133
Address: 710 George Washington Way, Ste BB or PO Box 1160		
City: Richland	State: WA	Zip: 99352 - 1160
Email Address (optional): kcamp@visitthereach.org		

Contact Name (if different from above): Kimberly Camp	Phone No: 509-943-4100	Other No:
Relationship to Applicant: Kimberly Camp is the CEO of the Richland Public Facilities District		
Address: 710 George Washington Way, Ste #BB		
City: Richland	State: WA	Zip: 99352
Email Address (optional): kcamp@visitthereach.org		

Section 2. STATEMENT OF INTENT

Briefly describe the purpose of your proposed project: The proposed water rights will serve the heat exchange portion of the HVAC system for the new Hanford Reach Interpretive Center in Richland, Washington.

Anticipated length of time to complete your project: approx. 3 years

**Water Use** List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only) <input type="checkbox"/> Cubic Feet per Second (CFS) <input checked="" type="checkbox"/> Gallons per Minute (GPM)	Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
Facility heating & cooling	455		Continuously
TOTAL:			

Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)? ☐ YES ☒ NO

Is this request for a temporary permit? ☐ YES ☒ NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: \_\_\_\_/\_\_\_\_/\_\_\_\_ TO: \_\_\_\_/\_\_\_\_/\_\_\_\_

Priority: May 20, 2008

For Ecology Use	APPLICATION NO: <b>G4-35178</b>	SEPA: Exempt/Not Exempt
Fee Paid: <b>50.00 5-20-08</b> <b>51.11 6-03-08</b>	Check No:	ECY Coding: 001-001-WR1-0285-000011

WR1A: 31 Benton

Section 3. POINT OF DIVERSION OR WITHDRAWAL

Complete A or B, and C below

<b>A.) If Surface Water Source</b>	<b>B.) If Ground Water Source</b>
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____
Source Name: _____	Well diameter & depth: 8" dia., approx. 35' deep
Tributary to: _____	Number of proposed points of withdrawal: 4
Number of proposed diversion points: _____	Do you have an existing well? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO	If available, attach Water Well Report and pump test.
	Well Tag ID No. _____

<b>C.) Point of Diversion/Withdrawal – Legal Description</b>						
Parcel No.	¼	¼	Section	Township	Range	County
113984000001002	SW	SW	18	9N	29E	Benton
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ Feet ( <input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet ( <input type="checkbox"/> East/ <input type="checkbox"/> West) from the ( <input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> _____) corner of Section_____.						
Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ feet ( <input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet ( <input type="checkbox"/> East/ <input type="checkbox"/> West) from the ( <input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> _____) corner of Section_____.						

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Do you own the land on which the proposed point of diversion/withdrawal is located? ☒ YES ☐ NO  
If no, do you have legal authority to make this application for use of another's land? ☐ YES ☐ NO  
Provide the owner name(s), address, and phone number: \_\_\_\_\_

Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

Same as Point of Diversion, above. See Appendix for a legal description.						
¼	¼	Section	Twp.	Range	County	Parcel No.
SW	SW	18	9N	29E	Benton	113984000001002

Do you own all the lands on which the proposed place of use is located? ☒ YES ☐ NO.

If no, do you have legal authority to make this application for use of another's land? ☐ YES ☐ NO  
Provide owner name(s), address, and phone number: \_\_\_\_\_

Are there any other water rights or claims associated with this property or water system? ☐ YES ☒ NO  
If yes, provide the water right and/or claim numbers: \_\_\_\_\_

Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.

## Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): The Hanford Reach Interpretive Center (The Reach) will be a new visitor and interpretive center being developed to celebrate and learn about the Hanford Reach of the Columbia River and broader Columbia Basin through public education and interpretation at the confluence of the Yakima and Columbia Rivers in the center of the Tri-Cities. The Reach is intended to foster appreciation, stewardship, and understanding of the Hanford Reach National Monument and the larger Columbia Basin through education and interpretation. It will act as both a gateway to region's diverse landscape and a gathering place for learning about science, history, culture and conservation.

*continued on page 6*

## Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

Complete A or B, and C below

A.) Domestic Water Systems only	B.) Municipal Water Systems only (defined under RCW 90.03.015)
Projected number of connections to be served: _____	Present population to be served water: _____
Type of connections: _____ (e.g., home, recreational cabin)	Estimate future population to be served: _____ (20 year projection)
<b>C.) Water System Planning</b>	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, date plan was approved ____/____/____ Water System Number: _____	
Name of water system: _____	
Are you within the service area of an existing water system? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, explain why you are unable to connect to the system: _____	
_____	
_____	
_____	
_____	

## Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

### Irrigation

Total number of acres requested to be irrigated under this application = \_\_\_\_\_ ACRES

NOTE: Outline the area to be irrigated on your attached map.

### Stockwater

List number and kind of stock: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Is the proposed project for a dairy farm? ☐ YES ☐ NO

### Other Proposed Farm Uses

Describe all proposed uses: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? ☐ YES ☐ NO

Do you have a controlling interest in a Family Farm Development Permit? ☐ YES ☐ NO

If yes, enter Permit No: \_\_\_\_\_

## Section 8. OTHER WATER USES

### Hydropower

Indicate total feet of head \_\_\_\_\_ and proposed capacity in kilowatts: \_\_\_\_\_

Describe works: \_\_\_\_\_

Indicate all uses to which power is to be applied: \_\_\_\_\_

FERC License No: \_\_\_\_\_

### Mining/Industrial Use

Describe use, method of supplying and utilizing water: \_\_\_\_\_

### Other Use

## Section 9. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water? ☐ YES ☒ NO

Are you proposing to store more than 10 acre-feet of water? ☐ YES ☐ NO

Will the water depth be 10 feet or more? ☐ YES ☐ NO

If you answered yes to any of the above questions, please describe: \_\_\_\_\_

*NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.*

## Section 10. DRIVING DIRECTIONS

Provide detailed driving directions to the project site: From Yakima, WA, travel east on I-82 for 68 miles. Merge onto I-182E via exit 102 toward Richland, WA for 6 miles. Take the George Washington Way exit (Exit 56) and head north on George Washington Way for 0.4 miles. Turn right on Columbia Point Drive and head east. Go to the end of the road and park on or near the cul-de-sac. Walk or obtain prior permission from the owner's representative to drive under the I-182 overpass to Columbia Point South at the confluence of the Columbia and Yakima Rivers.

Site Address: 800 Columbia Point Drive, Richland, Washington

## Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

Linda Boomer  
Print Name  
(Applicant or authorized representative)

Linda Boomer  
Signature

5/16/08  
Date

\_\_\_\_\_  
Print Name  
(Landowner of Place of Use)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name  
(Landowner of Place of Use)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name  
(Landowner of Place of Use)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Submit your application to:** DEPARTMENT OF ECOLOGY  
CASHIERING SECTION  
PO BOX 5128  
LACEY WA 98509-5128

Please check the region in which your proposed project is located.  
☐ Southwest ☐ Northwest ☒ Central ☐ Eastern

Below is a map of the State of Washington, with outlines of the four Ecology regional offices. If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.



**Southwest Regional Office:** 360-407-6300

**Northwest Regional Office:** 425-649-7000

**Central Regional Office:** 509-575-2490

**Eastern Regional Office:** 509-329-3400

If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341

## Section 5. WATER SYSTEM DESCRIPTION, continued

The groundwater sub-system is organized around an array of 4 downstream production and 4 injection wells based upon preliminary well test data obtained from the site. Attachment A provides well test data and analysis. Water will be drawn from the well by each of a 120 GPM 7.5 horsepower submersible well pump and delivered to the building's centralized mechanical room where it is introduced to a manifold heat exchanger that delivers "heating" or "cooling" depending upon the season and demand. The groundwater is then piped to an array of 4 upstream injection wells where the water is reintroduced into same aquifer from which it was drawn at a range of temperatures that fluctuates with the seasons. The water is expected to never be injected at more than 17 degrees hotter or colder than its temperature at the production source. Attachment B provides the well field analysis and an evaluation of potential impact to groundwater and the Columbia and Yakima Rivers as a result of the heated water.

The project intends to use the groundwater sub-system to demonstrate to the visiting public the important ways in which the region's water continues to sustain the Columbia Basin. Interpretive exhibits and educational programs will tell residents and visitors alike about salmon and bird migrations, indigenous connections to water, irrigation development and agriculture, hydro-power, the Hanford Works, and recent trends and advances in "Saving the Reach" – the real title of the last interpretive exhibit in the sequence of exhibits through the facility. By tying these types of messages back to the heating and cooling visitors are directly experiencing inside the facility, the Reach hopes to drive home the importance of sustainable use of our scarce shared resources, making each individual more aware of how they contribute to the collective health of the region's waters.